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To Examiner Shingleton

IN THE CLAIMS:

1. (Previously presented) An electronically tuned circuit, comprising a power amplifier coupled to an electronically tunable output network, said power amplifier capable of being operated in a large-signal mode, said output network including an electronically tunable reactive component, wherein electronic tuning of said electronically tunable reactive component includes non-motor operated electronic tuning when said power amplifier is operated in said large-signal mode, further wherein a control line extends to said electronically tunable reactive component for electronically varying reactance of said reactive component over more than two values, wherein said control line extends from a device configured to provide for varying voltage on said control line over more than two voltages.

2. (Previously presented) An electronically tuned circuit as in claim 1, wherein said output network is adapted to be tuned to a selected frequency.

3. (Previously presented) An electronically tuned circuit as in claim 1, wherein said output network is adapted to be adjusted to maintain a match with a varying load impedance.

4. (Previously presented) An electronically tuned circuit as in claim 1, wherein said output network is adapted to modulate the signal at said network output.

5. (Previously presented) An electronically tuned circuit as in claim 4, wherein said output network is further adapted to provide a power-amplifier load-impedance locus that substantially maximizes power-amplifier efficiency.

6. (Previously presented) An electronically tuned circuit as in claim 4, wherein said output network is further adapted to follow a substantially resistive power-amplifier impedance locus, thereby maintaining power-amplifier efficiency near maximum.

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